

INDEX TO CONTENTS OF 1993 AMS

Vol. 7 1993

NO. 1

- A Simple Prognostic Closure Assumption to Deep Convective Parameterization: I
 *Chen Dehui* (陈德辉) and *Philippe Bougeault* (1)
- Implicit Nonlinear Normal Mode Initialization: A Multigrid Approach
 *D. R. C. Nair*, *B. Chakravarty* and *P. Niyogi* (19)
- The Three-Level Global Atmospheric General Circulation Model: Formulation and Results
 *Chen Longxun* (陈隆勋),
Wang Anyu (王安宇), *Fan Yun* (樊云), *Chen Shaowei* (陈绍伟) and *Wu Chisheng* (吴池胜) (31)
- The Role Played by the Stratosphere in Greenhouse Effects
 *Guo Caili* (郭彩丽), *Li Weiliang* (李维亮) and *Liu Yu* (刘煜) (50)
- Numerical Study on Effects of the Qinghai-Xizang Plateau on Formation of the Ural Blocking High
 *Zheng Qinglin* (郑庆林), *Gu Yu* (古瑜), *Song Qingli* (宋青丽) and *Jiang Ping* (蒋平) (61)
- A Possible Mechanism of Abrupt Global Warming in the 1920s *Wang Qiang* (王强) and *G. R. Demaree* (70)
- Study on Air-Sea Heat Exchange Mechanism in El Nino and La Nina Events
 *Ma Kaiyu* (马开玉), *Yao Huadong* (姚华栋) and *Jiang Dayong* (姜达雍) (79)
- Study of Nonlinear Rossby Waves in the Atmosphere under Semi-Geostrophic Approximation
 *He Jianzhong* (何建中) (90)
- The Combinatory Method for Determination of the Turbulent Fluxes and Universal Functions in the Surface
 Layer *Hu Yinqiao* (胡隐樵) and *Ji Yuejin* (奇跃进) (101)
- Climate Change in China and Its Influence on Agriculture Production in the Last 40 Years
 *Zhang Jijia* (章基嘉), *Xu Xiangde* (徐祥德) and *Miao Junfeng* (苗俊峰) (110)
- Variation in Thermodynamic Structure of PBL as a Monsoon Depression Passes—A Case Study
 *G. Rajkumar*, *R. S. Saraswat* and *B. Chakravarty* (115)
- Some Rules of Variation Coefficient of Annual Rainfall in Xinjiang, China
 *Ma Shuhong* (马淑红) and *Zhang Xuewen* (张学文) (123)

NO. 2

- The Formation and the Development of CAMS Two-Dimensional Dynamical—Physical Climate Model
 *Li Weiliang* (李维亮), *Gong Wei* (龚 威) and *Wang Wei-Chyung* (129)
- Variations of Sea Surface Temperature and Sea Level Pressure over the Pacific and Indian Oceans and Their
 Influence on Cold Summer in East Asia *Sha Wenyu* (沙文钰) and *Cai Jianping* (蔡剑平) (147)
- Study of the Randomness Inherent in the Typhoon Movement
 *Luo Zhexian* (罗哲贤) and *Ma Jingxian* (马镜娴) (153)
- Zonal Mean Structures of the Extratropical Troposphere *Y. L. McHall* (162)
- Low-Frequency Oscillation and Mechanism of Vertical Circulation of Eastern Asian Monsoon
 *Yang Song* (杨 松), *Zhu Qiangen* (朱乾根) and *Wang Jiande* (王建德) (176)
- Energy Equation and Symmetric Instability Criterion *Zhao Ruixing* (赵瑞星) (186)
- A Study on the Variations of Circulation Pattern in the Northern Hemisphere and Climate Change in China for
 the Recent 100 Years *Zhang Jijia* (章基嘉) and *Gao Xuejie* (高学杰) (194)
- Radiative Characteristics of Aerosols at Golmud on the Tibetan Plateau
 *Sun Zhi'an* (孙治安) and *Keith P. Shine* (199)
- A Simple Prognostic Closure Assumption to Deep Convective Parameterization: II
 *Chen Dehui* (陈德辉) and *Philippe Bougeault* (212)
- On the Effect of Ambient Turbulence on the Buoyant Plume Rise
 *Du Shuming* (杜曙明) and *Li Zongkai* (李宗恺) (224)
- Comparison of Single-Station Lightning Location with Three-Station Measurements and Radar Data
 *Tao Shanchang* (陶善昌), *Li Xi* (李 曦), *Meng Qing* (孟 青) and *Liu Guangbao* (刘光保) (232)
- Lightning Data and Study of Thunderstorm Nowcasting
 *Qie Xiushu* (郗秀书), *Yan Muhong* (言穆弘), *Guo Changming* (郭昌明) and *Zhang Guangshu* (张广庶) (244)

NO. 3

- A Three-Dimensional Elastic Nested-Grid Meso-(β - γ) Scale Atmospheric Model—Part I: Model Description
 *Liu Yubao* (刘玉宝), *Zhou Xiujie* (周秀骥) and *Hu Zhi Jin* (胡志晋) (257)
- Numerical Modeling of Air Pollutant and Rainfall Effect on Acid Wet Deposition
 *Bian Huisheng* (卞慧生), *Luo Chao* (罗 超) and *Li Xingsheng* (李兴生) (273)

Preliminary Analysis of the Variations of Surface Ozone and Nitric Oxides in Lin'an	
..... Zhou Xiuji (周秀骥), Luo Chao (罗超), Ding Guo'an (丁国安), Tang Jie (汤洁) and Liu Qijun (刘奇俊)	(287)
Measurements of Ice-Forming Rates Produced by Supersonic Flow and Investigation of Mechanisms of Ice Crystal Generation	
..... Huang Shihong (黄世鸿), Li Ruxiang (李如祥) and Qian Changguo (钱昌国)	(295)
Numerical Simulations of the Effects of Aerosols in the Atmospheric Boundary Layer on the Climate	
..... Qian Yongfu (钱永甫)	(303)
Radiation Balance and Turbulent Flux Characteristics over Mizuho Station in Antarctica	
..... Liu Shuhua (刘树华), Yu Peng (于鹏) and Xiong Kang (熊康)	(316)
Theoretical Calculation Model of Shortwave Radiation for the Earth-Atmosphere System and Its Testing Results	
..... Wang Xuanji (王宣吉) and Gao Guodong (高国栋)	(327)
The Meander of Kuroshio and Oscillation in a Coupled Ocean-Atmosphere Model	
..... Liu Qinyu (刘秦玉), Xu Qichun (徐启春), Wang Zhilian (王志联) and Qin Zenghao (秦曾灏)	(338)
Role in Moisture Transportation of Seasonal Mean and Intraseasonal Oscillations in Asian Summer Monsoon Area—Long-Term Average Characteristics	
..... Xu Jianjun (徐建军), He Jinhai (何金海) and Zhu Gang (朱刚)	(347)
Northern and Southern Hemispheric Polar Lows—A Comparative Study	
..... Erik A. Rasmussen	(355)
Advances in Applied Research of the Outgoing Longwave Radiation in China	
..... Jiang Shangcheng (蒋尚城)	(367)
Subscription Information on the AMS	(381)
New Books	(382)

NO. 4

Analysis of a Case of East Asia Coastal Cyclogenesis	
..... Chen Shoujun (陈受钧), Kuo Ying-Hwa (郭英华) and Bai Lesheng (白乐生)	(385)
Modulation of Atmospheric Thermal and Mechanical Forcings and Numerical Modeling of Mean Meridional Circulation	
..... Wu Guoxiong (吴国雄) and Cai Yaping (蔡雅萍)	(412)
The Numerical Simulation of the Ice Age Climate	
..... Wang Huijun (王会军) and Zeng Qingcun (曾庆存)	(423)
Numerical Experiments on the Effect of Indian Subcontinent Vegetation Cover on Summer Monsoon	
..... Li Weiliang (李维亮) and Zhang Zhengqiu (张正秋)	(431)
Quasi-Resonance of Baroclinic Atmospheric Waves and Extratropical Low-Frequency Oscillation	
..... Lu Weisong (陆维松)	(442)

Mixed-Phase Stratiform Cloud System Model and Case Modeling on Two Low-Level Mesoscale Vortices	
..... <i>Liu Gongbo</i> (刘公波), <i>Hu Zhijin</i> (胡志晋) and <i>You Laiguang</i> (游来光)	(454)
A Three-Dimensional Elastic Nested-Grid Meso-(β - γ) Scale Atmospheric Model—Part II: Model Validation	
..... <i>Liu Yubao</i> (刘玉宝), <i>Zhou Xiuji</i> (周秀骥) and <i>Hu Zhijin</i> (胡志晋)	(469)
Trajectory Diagnosis of Air Parcels in High- and Low-Level Jets for a Heavy Rainfall Case During Meiyu Season of 1991	
..... <i>Tao Zuyu</i> (陶祖钰) and <i>Huang Wei</i> (黄威)	(486)
The Effects of Vertical Variation of Basic Flow and Horizontal Gradient of Temperature on Linear and Nonlinear Gravity Waves	
..... <i>Xia Youlong</i> (夏友龙) and <i>Zheng Zuguang</i> (郑祖光)	(495)
Subscription Information on the AMS	(505)
New Books	(506)
Index to Contents of 1993 AMS.....	(509)

